



STATE OF VERMONT
AGENCY OF TRANSPORTATION
CONSTRUCTION AND
MATERIALS BUREAU
CENTRAL LABORATORY

BORING LOG

DANBY
BF 0130(3)
TH-1 BR-9

Boring No.: **B-104**

Page No.: 1 of 1

Pin No.: 13J304

Checked By: TDE

Boring Crew: DAIGNEAULT, HOOK, JUDKINS

Date Started: 12/22/14 Date Finished: 12/30/14

VTSPG NAD83: N 306372.42 ft E 1497051.51 ft

Station: 13.75 Offset: 21.20

Ground Elevation: 1242.21 ft

Type: WB SS
I.D.: 4 in 1.5 in
Hammer Wt: N.A. 140 lb.
Hammer Fall: N.A. 30 in.
Hammer/Rod Type: Auto/AWJ
Rig: CME 45C SKID C = 1.33

Groundwater Observations

Date	Depth (ft)	Notes
		No water to depth.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	
		Asphalt Pavement, 0.0 ft - 0.42 ft									
5		A-1-b, SiSaGr, blk-brn, MTW, Rec. = 1.2 ft, High low counts were do to frost layer. Lab Note: Broken Rock was within sample.				48-38-38-18 (76)	12.4	43.0	35.9	21.1	
		A-4, SaGrSi, Lt/brn-gry, Moist, Rec. = 0.5 ft, Cleaned out with roller cone. Lab Note: Broken Rock was within sample.				7-6-6-5 (12)	13.9	31.0	29.1	39.9	
		Visual Description: Broken Rock with silty sand, gry, Moist, Rec. = 0.3 ft, Cleaned out with roller cone. Insufficient sample for testing.				7-5-5-7 (10)	13.0				
		Visual Description: Broken Rock with silty sand, brn, Moist, Rec. = 0.3 ft, Cleaned out with roller cone. Insufficient sample for testing.				4-6-5-3 (11)	16.1				
10		Visual Description: Broken Rock with silty sand, gry, Moist, Rec. = 0.1 ft, Cleaned out with roller cone. Insufficient sample for testing.				3-4-2-5 (6)	14.4				
		A-1-b, SaGr, red-brn, Moist, Rec. = 0.6 ft, Lab Note: Broken Rock was within sample.				3-3-4-R@1.0" (7)	14.1	57.3	24.5	18.2	
		Field Note: NXDC, Concrete									
15		14.0 ft - 19.0 ft, Gray, Siliceous shale and Phyllite, Medium hard, Moderately weathered to unweathered, Poor rock, NXMDC, Portions of core run are slightly vuggy with iron staining on vug and foliation surfaces. RMR = 39	1 (25)	86 (30)	3						
20		19.0 ft - 24.0 ft, Gray, Siliceous shale and Phyllite, with quartz vein. Medium hard, Moderately weathered to unweathered, Poor rock, NXMDC, Portions of core run are slightly vuggy with iron staining on vug and foliation surfaces. RMR = 39	2 (25)	84 (30)	2						
25		24.0 ft - 29.0 ft, Gray, Siliceous shale and Phyllite, with quartz vein. Medium hard, Moderately weathered to unweathered, Fair rock, NXMDC, Top 1.5 feet of core run is slightly vuggy with iron staining on vug and foliation surfaces. RMR = 39	3 (25)	98 (74)	2						
30		29.0 ft - 34.0 ft, Gray, Siliceous shale and Phyllite, Medium hard, Unweathered, Fair rock, NXMDC, RMR = 58	4 (25)	100 (88)	3						
35		Hole stopped @ 34.0 ft									
		Remarks: Hole collapsed at 14.0 ft.									

Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
2. N Values have not been corrected for hammer energy. C is the hammer energy correction factor.
3. Water level readings have been made at times and under conditions stated. Fluctuations may occur due to other factors than those present at the time measurements were made.

BORING LOG 2 DANBY BF 0130(3).GPJ VERMONT AOT.GDT 4/27/15